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BULLETIN OF

PACIFIC UNIVERSITY

VOLUME III FOREST GROVE, OREGON, JUNE, 1904 NUMBER FIVE

THE LIBRARY
OF THE
UNIVERSITY OF ILLINOIS

REGISTER

FOR

1903-1904

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LIBRARY
OF THE
UNIVERSITY OF ILLINOIS

REGISTER

OF

TUALATIN ACADEMY

AND

PACIFIC UNIVERSITY

1903-1904

WITH ANNOUNCEMENTS FOR

1904-1905

FOREST GROVE, OREGON

SCHOOL-YEAR CALENDAR

1904

SEPTEMBER.

S	M	T	W	T	F	S
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OCTOBER.

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DECEMBER.

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1905

JANUARY.

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FEBRUARY.

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APRIL.

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MAY.

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JUNE.

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18	19	20	21	22	23	24
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CALENDAR.

1904.

Sept. 21	Wednesday	Fall Term begins at 10 A. M.
Sept. 23	Friday	College Reception.
Oct. 19	Wednesday	Founders' Day.
Nov. 24	Thursday	Thanksgiving Recess.
Nov. 25	Friday	
Dec. 23	Friday	The Fall Term ends.
Dec. 24	Saturday	Christmas Recess.
Jan. 2	Monday	

1905.

Jan. 3	Tuesday	Winter Term begins at 10 A. M.
Jan. 6	Friday	College Reception.
Feb. 12	Sunday	Day of Prayer for Colleges.
Feb. 22	Wednesday	Washington's Birthday and Tree Planting Exercises.
Mch. 24	Friday	The Winter Term ends.
Mch. 25	Saturday	Spring Recess.
Mch. 28	Tuesday	
Mch. 29	Wednesday	Spring Term begins at 10 A. M.
Mch. 31	Friday	College Reception.
Apr. 24	Monday	Field Day.
May 30	Tuesday	Memorial Day.
June 16	Friday	Junior Exhibition.
June 17	Saturday	Anniversary of the Conservatory of Music.
June 18	Sunday	Baccalaureate Sermon. Address before the College Christian Associations.
June 19	Monday	Address before the Literary Societies.
June 20	Tuesday	Closing Exercises of Tualatin Academy. Anniversary of the Alumni.
June 21	Wednesday	Commencement Exercises.
Sept. 20	Wednesday	Fall Term begins at 10 A. M.

TRUSTEES.

PRES. WILLIAM N. FERRIN, ex-officio, Forest Grove.

	Term expires.
HON. H. H. NORTHUP, Portland	1904
REV. ELWIN L. HOUSE, D. D., Portland	1905
REV. CEPHAS F. CLAPP, Forest Grove	1905
L. H. ANDREWS, Oregon City	1906
STEPHEN A. LOWELL, Pendleton	1906
HON. ALANSON HINMAN, Forest Grove	1907
FRANK M. WARREN, Portland	1907
HARVEY W. SCOTT, Portland	1907
MILTON W. SMITH, Portland	1908
NEWTON McCOY, Portland	1908
NAPOLEON DAVIS, Portland	1909
REV. MYRON EELLS, D. D., Twana, Washington	1909

OFFICERS OF THE BOARD.

HON. A. HINMAN	President
NAPOLEON DAVIS	Secretary
REV. MYRON EELLS, D. D.	Assistant Secretary
F. M. WARREN	Treasurer
R. H. BLOSSOM	Assistant Treasurer
W. T. FLETCHER	Financial Secretary

FINANCE COMMITTEE.

FRANK M. WARREN, Chairman,
MILTON W. SMITH, Secretary,
HON. H. H. NORTHUP,
NAPOLEON DAVIS,
PRES. W. N. FERRIN

COMMITTEE ON TEACHERS.

PRES. W. N. FERRIN,
MILTON W. SMITH,
NAPOLEON DAVIS.

FACULTY AND OFFICERS.*

WILLIAM NELSON FERRIN,

A. B., University of Vermont, 1875; A. M., 1878. LL. D., University of Vermont, 1902.

President and Vermont Professor of Mathematics.

JOSEPH WALKER MARSH,

A. B., University of Vermont, 1857; A. M., 1860. A. M., Bishop's College, Canada. Ph. D., T. A. and P. U., 1883.

Professor of Greek and Latin and Instructor in Logic.

JAMES ROOD ROBERTSON,

A. B., Beloit College, 1886; A. M., University of Michigan, 1891; University of Chicago, 1895.

Professor of History and Political Science.

REV. HENRY LIBERTY BATES,

A. B., Oberlin, 1876; A. M., 1880. B. D., Oberlin Theological Seminary, 1881.

Principal of the Academy and Acting Professor of Mental and Moral Science.

MARY FRANCES FARNHAM,

Graduate of Mt. Holyoke and Student at Radcliffe.

Dean of Women and Professor of English Language and Literature.

CHARLES EDWARD BRADLEY,

B. S., Pacific University, 1897; M. S., 1900. Student Chicago University, 1901.

Professor of Chemistry.

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*The Faculty is arranged in the order of appointment, except the President.

LOUIS BACH, A. M.,

Student Strassburg, Germany, 1873-75; Basel, Switzerland, 1875-80.

Professor of Modern Languages.

*WILLIAM THOMAS FLETCHER,

B. S., Pacific University, 1900.

Instructor in Mathematics and Latin.

GEORGE ELLETT COGHILL,

A. B., Brown University, 1896. Sc. M., University of New Mexico, 1899. Ph. D., Brown University, 1902.

Professor of Biology.

†HENRY DICKINSON SMITH,

A. B., Beloit College, 1902. Student Chicago University, 1902.

Instructor in Public Speaking and English.

GRACE CHRISTINE WOOD,

A. B., Drury College, 1900.

Instructor in the Academy.

FRANK THOMAS CHAPMAN.

Graduate American Conservatory, 1893; Student of Murdough, Jacobson, Listeman, Tividar Nachez.

Director of the Conservatory and Instructor in Piano and Violin.

PAULINE MILLER CHAPMAN,

Graduate Chicago Conservatory; Student of Max Heinrich. Signor Marescalchi.

Instructor in Vocal Music.

HERBERT HAYES ARNSTON,

Instructor in Stenography and Typewriting.

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*Absent on leave.
†To June 15, 1904.

HIRAM EDWIN WILSON,
Physical Instructor.

*VICTOR EMMANUEL EMMEL,
B. S., Pacific University, 1903.
Assistant in Biology and Chemistry.

WILMA WAGGENER,
Graduate of Pacific University Conservatory, 1904.
Instructor in Piano.

IRENE CADWELL,
Student in Pacific University Conservatory.
Instructor in Piano.

LINA LINEHAN,
Student American Conservatory; Student Madame Ragna Linne.
Instructor in Vocal Music.

JOHN M. GARRISON,
Instructor in Penmanship.

PROFESSOR MARSH,
Librarian.

PROFESSOR ROBERTSON,
Registrar.

MR. FLETCHER,
Clerk of the Faculty.

OLIVIA A. HASKELL,
Matron Herrick Hall.

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* To June 15, 1904.

FORMER PRESIDENTS.

SIDNEY HARPER MARSH, D. D. 1854-1879
JOHN R. HERRICK, S. T. D. 1880-1883
JACOB FRANK ELLIS, D. D. 1883-1891
THOMAS McCLELLAND, D. D. 1891-1900

STANDING COMMITTEES.

For 1904 and 1905.

LIBRARY AND READING ROOM,

Professors Marsh, Bates and Robertson.

ATHLETICS,

Prof. Bradley, Prin. Bates, Prof. Coghill, Messrs. Shively, Thompson, J. M. Philbrook, Clapp, James and Wilson.

CLASSIFICATION OF STUDENTS.

Professors Robertson, Farnham and Bradley.

COURSES OF STUDY.

Professors Marsh, Bates, Robertson, Bach and Coghill.

LECTURES.

President Ferrin, Professors Farnham and Bradley.

SCHEDULE OF RECITATIONS.

Professors Robertson and Bates.

STUDENT PUBLICATIONS.

Professors Coghill, Farnham and Bach.

DISCIPLINE.

Professors Ferrin, Bates, Farnham, Bradley and Robertson.

STUDENTS' ORATORICAL AND DEBATING CONTESTS.

Prin. Bates, Pres. Ferrin, and Instructor in Public Speaking.

GENERAL INFORMATION.

HISTORY.

Pacific University owes its origin to missionary activity. In 1842 Rev. Harvey Clark came to Oregon as an independent missionary to the Indians, and located at West Tualatin, now Forest Grove. The idea of an institution of learning early took possession of his mind, and was partially realized in the establishment of a school near the site of the present college building, under the patronage of Mr. Clark and the direction of Mrs. Tabitha Brown.

In 1848 Rev. George H. Atkinson, D. D., came to Oregon as the representative of the American Missionary Society for the Northwest. Being urged, upon his departure for the West, by Rev. Theron Baldwin, Secretary of the American College and Education Society, to build in Oregon "an academy which should grow into a college," he cherished the idea, and upon his arrival early sought to carry it into effect.

In the accomplishment of this purpose he was most heartily supported by Mr. Clark. Acting together, they called a meeting of the Congregational and Presbyterian churches at Oregon City, on September 4, 1848. At this meeting it was decided to establish an academy with collegiate powers, and a Board of Trustees was chosen. On September 29, 1849, "a seminary of learning for the instruction of both sexes in science and literature, to be called Tualatin Academy," from the Indian name of the river and plain, was incorporated. Mr. Clark was first President of the Board of Trustees, in which capacity he served until his death, and Dr. Atkinson was elected first Secretary, a position which he held for forty years. Hon. A. Hinman, of Forest Grove, President of the Board of Trustees, is the only member of the original Board of

Trustees serving today. The late Hon. Henry Failing acted as a member of the Board and Treasurer from 1870 until his death. The late Henry W. Corbett was Trustee from 1858 until his death in 1903, and served as Treasurer from 1861 to 1865.

Through the gift of Mr. Clark and others a campus was secured and land for the site of a village as the basis of an endowment. An old log schoolhouse served the purpose for recitations until the first building was begun in 1850. In 1852 Dr. Atkinson made a journey East in the interest of the institution and secured the endorsement of the American College and Education Society.

The services of a teacher were guaranteed by the Education Society, and Rev. S. H. Marsh, a student in Union Theological Seminary, was secured. Coming from a prominent line of educators in Vermont University, he brought to his work high standards, and upon his arrival the scope of the work was enlarged. In January, 1854, new articles of incorporation were granted, and a collegiate department called Pacific University was added to Tualatin Academy.

Through three successive efforts of Dr. Marsh the endowment was increased. The following names taken from a list of early contributors are an indication of the patronage through which the institution was established: S. F. B. Morse, inventor of the telegraph, and S. E. Morse, his brother; William E. Dodge, Ezra Farnsworth, Henry Ward Beecher, Timothy Dwight, D. W. James, Vice-President of American Board; Frederick and Mrs. Billings, A. S. Hatch, Edward Everett, S. D. Warren, Dr. E. N. Kirk, David Whitcomb, John Tappan, A. S. Barnes, P. L. Moen, C. P. Huntington.

The necessity of a faculty for the collegiate department soon became apparent, and among those who came at various times as associates to Dr. Marsh were Rev. Horace Lyman, E. A. Tanner, late President of Illinois

College; G. H. Collier, Joseph W. Marsh, A. J. Anderson, ex-President of Washington University and Whitman College; Thomas Condon, of the Oregon State University; W. N. Ferrin and W. D. Lyman.

On the death of Dr. Marsh in 1879, Rev. John R. Herrick was chosen President, and the building now bearing his name was constructed as a dormitory for young women, during his administration. In 1883, Rev. J. F. Ellis, D. D., was elected President, and in 1891 Rev. Thos. McClelland, D. D. Since 1891 the college building bearing the name of Marsh Hall has been erected, the number of the faculty increased, the scope of the work enlarged and the endowment increased by the gift of $50,000 from Dr. D. K. Pearsons, and $100,000 from Dr. E. H. Williams, J. H. Converse, H. W. Corbett, Henry Failing and a large number of others. At the Annual meeting of the Board of Trustees in June, 1903, William N. Ferrin, who had served as Acting President for three years, was elected President.

AIMS.

Tualatin Academy and Pacific University was founded in order to make it possible for the young people of the Pacific Northwest to obtain a thorough education under Christian influences. As it is not entirely dependent for its support upon the tuition paid by its students, and consequently the mere number of students in attendance is not regarded as all-important, the Faculty is able to maintain thorough standards of scholarship in all grades of study.

LOCATION.

The College is located at Forest Grove, Oregon, a beautiful and growing town of 1,500 inhabitants. It is situated on the Southern Pacific Railroad, West Side, twenty-six miles from Portland, and is easily reached by two trains daily from either direction.

The College has been the chief factor in building up the town. No drinking saloons are permitted. Its beautiful location, healthful climate and well-deserved reputation for general good order make Forest Grove a suitable home for students.

BUILDINGS.

The buildings are situated on a campus of thirty acres, covered in part with a growth of native oaks and spruce, and commanding a fine view of the surrounding mountains.

MARSH MEMORIAL HALL. This building, raised in commemoration of ex-President Sidney Harper Marsh, is constructed of brick with stone trimmings. The dimensions are 142x70 feet. There are thirteen recitation rooms, a reception room, office, literary society and Christian Association rooms, art room and library. There is also a commodious chapel, which, when thrown open into the adjoining rooms, will seat 800 people. The building is well lighted and ventilated, and is heated throughout by hot water.

THE SCIENCE HALL. The Science Hall, which is the original college building, affords a lecture room and separate laboratories for chemistry, biology and physics.

HERRICK HALL. This four-story building, conveniently arranged, furnishes excellent accommodations for young women to room and board, and also affords table board for a number of young men.

The different floors are supplied with water, and a bath room with hot and cold water is provided. The laundry in the basement furnishes young women, who so choose, an opportunity to do their own washing. The upper floors are provided with fire escapes.

Each suite of rooms, consisting of study and sleeping room with large closet, is intended for two occupants. The

rooms are heated, and furnished with carpet, study table, stand, mirrors, chairs, woven-wire bed with mattress, electric lights, and toilet set. Occupants will be expected to provide themselves with towels, napkins, pillows, and other necessary bedding.

The hall is conducted so as to afford a well-regulated Christian home for young women coming from out of town.

ACADEMY BUILDING. This building is used for recitation and study rooms for the first two Academy classes.

MEN'S DORMITORY. Young men may obtain rooms at the men's Dormitory. These rooms are supplied with woven-wire bed, washstand, table, chairs and stove. Occupants are expected to provide all other necessary furnishings, including mattress and bedding. The rates for the present year will be found under the head of "expenses."

GYMNASIUM. The gymnasium affords opportunity for athletic exercises, and is open to students under proper restrictions.

APPARATUS AND COLLECTIONS.

The laboratories of chemistry, physics and biology have the usual equipment for laboratory work in these sciences as well as some apparatus of a more special character, and are well furnished with gas and electricity.

The Mathematical Department is supplied with a valuable set of engineering instruments. Through the kindness of friends at the East a fine stereopticon has been provided for the use of the institution.

A good series of specimens, partly from Europe, illustrates the origin of the various kinds of rock. A fair collection of fossils serves to show the sequence of geological times and their fauna and flora. An excellent series

of ores and other minerals is also accessible to the students for investigation.

An herbarium of over 2,000 species (mostly from this region), belonging to the College, constitutes the collection of plants accessible for study.

The Oregon World's Fair exhibit of native plants, consisting of 480 species, has been deposited in the College Museum.

A station of the State Weather Bureau is established at the University, and students have an opportunity to become familiar with the use of the standard instruments of the Government Signal Service. Daily readings of the various instruments are taken under the direction of a member of the Faculty, and a complete record is kept. The weather forecasts, issued by the Government, are received daily and displayed by the University.

Contributions to the Library and Museum are solicited, and may be sent to any member of the Faculty.

LIBRARY AND READING ROOM.

The College Library now numbers about 12,800 volumes, and is open to all students daily. These volumes are classified for ready reference, and in some of the more important departments of knowledge the Library is quite well supplied. During the year 1903-04 over 300 volumes have been added, by gift, purchase and binding.

The Library is a public depository of Government publications, which are available for reference to the public free of charge. The general library may be used by alumni of the College for a fee of $3.00 per year and by others for $5.00 per year.

The Reading Room, which is supplied with a well-selected list of leading magazines and periodicals, including religious and secular newspapers of different denominations and parties, is open to all students.

LECTURES AND ADDRESSES.

September 16, "Opening Day," Rev. C. F. Clapp; October 14, "Occasional Address," President's Inaugural, Hon. H. W. Scott; October 30, "The Greatest Thing in the World," Prof. H. A. Adrian; December 16, "Extracts from the Early Archives of Oregon," Hon. T. T. Geer; March 15, "Development of Japan," Rev. T. L. Eliot; April 15, "Some Delusions on Diet," Woods Hutchinson, M. D.; April 26, "Korea," Dr. James Hunter Wells.

LITERARY SOCIETIES.

There are three student societies in the institution—the Gamma Sigma and Alpha Zeta for men, and the Philomathean for women. Membership in them is voluntary. They meet weekly and are the means of developing and fostering literary excellence. Essays, orations and discussions are presented, and a familiarity with parliamentary rules is gained. Suitable rooms have been provided for the societies in Marsh Memorial Hall. Students participate in oratorical contests and inter-collegiate debates.

PHYSICAL TRAINING.

The gymnasium will be thrown open free to all students during certain hours daily. Permits, however, must be obtained from the officer in charge. Exercise in the open air and athletic sports are encouraged, and spacious grounds on the College campus afford excellent opportunities for this kind of physical culture. A well-equipped bowling alley is maintained in the basement of Marsh Hall. A four-lap running track is located on the College athletic field. Athletics is under the charge of a committee consisting of three members of the Faculty and six from the Student Body. Gymnasium facilities have been open to young women and basket-ball teams maintained during the past year.

REGULATIONS.

The institution does not desire the attendance of any students who are not industrious and well-disposed, or who are too wayward for home restraint. To such as are earnest it affords the advantages of a quiet and orderly community with all the opportunities of study and mental development afforded by an institution on a firm foundation. A careful record of attendance, deportment and scholarship is kept, and reports are sent to the parents of all minor students at the end of each term. Any who are idle or listless, or whose influence is bad, are not allowed to remain in the school.

The immediate control in all matters pertaining to the conduct of students is in the hands of the Faculty. It is their desire to lay no unnecessary restrictions upon any. Students are presumed to have regard for the general rule of good manners and good morals; they are expected to be orderly, faithful, respectful and honest, and to render a cheerful compliance with such regulations and requirements as the Faculty may, from time to time, find it necessary to make.

Non-resident students in special departments are subject to the general rules of the institution.

A detailed pamphlet of regulations will be given to each student upon entrance and furnished to all patrons upon request.

CLASS STANDING.

In determining the average term standing, the average daily standing will count two-thirds, and the final examination one-third. Every student whose average daily standing in any study is above 95, will be excused from examination in such study at the end of the term.

WOMEN.

Young women are admitted to all courses of study on equal terms with young men, and so far as they are pursuing the same studies they recite together. All the young women of the institution are under the supervision of the Dean of Women.

RELIGIOUS EXERCISES.

The institution aims to give its students a thorough education, and it believes that the highest intellectual culture and the greatest moral excellence can be obtained only as they are developed from the principles of Christianity. To this end, some special religious exercises are requisite. Accordingly, all students are required to attend daily prayers at the chapel, and church services on Sunday morning. The churches of the town represent the following denominations: Congregational, Disciples, Methodist and Free Methodist. Each student attends the church of his choice, but must select and attend some one church regularly. Bible study occupies a place throughout the curriculum.

Branches of the College Young Men's and Young Women's Christian Associations are maintained by the students, and prayer-meetings occur every Tuesday evening, to which all the students are invited. The work of these societies is very helpful in determining the Christian character of the institution. A room in Marsh Hall has been suitably furnished for the use of the Christian societies. A handbook is published each year and may be had by applying to the Presidents of the Associations.

EXPENSES.

Tuition and other expenses are made as low as possible, so as to bring a thorough education within the reach of all.

Tuition must be paid in advance each term, and charges for rooms and board in College buildings in advance at the beginning of each half-term, to the Financial Secretary.

College Tuition, per term.....$15.00
Academy Tuition, per term..... 10.00

Each student pays an incidental fee of two dollars per term, to be used for library, reading room and athletics.

A fee of fifty cents, to be paid to the Financial Secretary, will be charged for any special or extra examinations, and a receipt therefor must be presented at time of examination.

Laboratory fees in chemistry are:
Course 1, per term.....$2.00
Course 2, a half year..... 5.00
Course 3, a half year..... 5.00

The fees in Elective Courses will be adjusted according to credits earned. Breakage is to be paid for in addition.

For college studies in the Department of Biology there is a fee of $1.50 per term for each course consisting of four hours per week or $2.00 for each course of six hours.

The charge for one study (five hours per week) is one-half the regular rate of tuition. For more than one study, full rates are charged.

No money paid in for tuition is refunded to students who leave before the close of the term, except in cases in which they are excused before the middle of the term on account of their own sickness, in which event the tuition for the latter half of the term will be paid back.

Each student is required to exhibit to his various instructors, during the first week of each term, the Treas-

urer's receipt for his term bills, or a certificate showing that satisfactory adjustment of them has been made.

It is estimated that the average necessary expenses for a college year range from a minimum of $150 to a maximum of $300.

BOARD AND ROOM.

HERRICK HALL. The price of room rent and board, including heat and light, is, for the present, from $3.25 to $4.25 per week for each occupant, according to the location and furnishing of rooms. Table board for young men, $2.75.

MEN'S DORMITORY. The price of room rent is 20 cents per week for each occupant, exclusive of lights and fuel. The rooms are arranged for two occupants. Good board may be obtained on the club plan at actual cost, which during the past year has averaged about $2.00 per week.

Rooms and board may be obtained in private families in the town.

STUDENTS' AID.

The College desires to encourage self-supporting students, and such are enrolled every year. Assistance is rendered students in obtaining employment in the town, and those who desire to aid themselves in this way can generally find the opportunity. As a rule, no capable young man or woman possessed of good health and a determination to secure a college education need fail in the attempt.

Through a bequest of $10,000 by Mr. Charles Atkinson, of Moline, Ill., the Atkinson Scholarship Fund has been established. There is also a Benedict Scholarship Fund of over $2,000. The income received from these funds is applied to assist worthy students whose circumstances require it. Any one who indulges in the use of tobacco or has any other expensive habit will be debarred

from such aid. Application for aid must be made each term to the President. Sons and daughters of missionaries in actual service are admitted upon payment of one half tuition.

The educational societies assist those in College who are preparing for the Christian ministry.

PRIZES.

Prizes to the amount of $50 have been offered during the past year by Mrs. H. W. Corbett for excellence in Public Speaking and Declamation.

SCHOLARSHIPS.

A scholarship, consisting of tuition for one year, will be given to the student attaining the highest rank in the graduating class in any of the schools in the accredited list.

CORPORATE NAME.

The corporate name of this institution is "The President and Trustees of Tualatin Academy and Pacific University."

THE COLLEGE.

TERMS OF ADMISSION.

Candidates for admission must be at least fifteen years of age. A proportionate increase in age is required to enter advanced classes.

The course given in Tualatin Academy or its equivalent is required for entrance to College. For further information, see pp. 44-54.

ACCREDITED SCHOOLS.

Graduates of any schools having a course of study equivalent to that of Tualatin Academy and which has been approved by the Faculty, after personal visitation or examination of the course of study, will, when recommended by the principal of the school for admission to any college course, be admitted without examination. Schools may be accredited for partial fitting, and students will be required to pass examinations only in such subjects as are not credited in the entrance requirements.

The following schools have been placed upon the accredited list for full or partial credit:

Portland Academy, Portland High School, Astoria High School, Tacoma High School, Tacoma Academy, Puget Sound Academy, Weiser Academy, Pendleton High School, Pendleton Academy, Heppner High School, Oregon City High School, Vancouver High School, The Dalles High School, La Grande High School, Roseburg High School, Baker City High School.

Schools which desire to have their pupils thus admitted are requested to send to the Secretary of the Faculty their courses of study.

If the preparation of the student who is admitted by certificate is found to be wanting in thoroughness, the privilege of sending students in this manner may be withdrawn from the school that has certified his preparation.

DEGREES.

BACHELOR OF ARTS, SCIENCE AND LETTERS.

The degree of Bachelor of Arts will be conferred on those who finish the Classical, Greek Philosophical, and the Latin Mathematical Groups; the degree of Bachelor of Science on those finishing the Chemical Biological Group; and the degree of Bachelor of Letters on those finishing the Literature and Historical Political Groups.

The fee for diploma is $5.00, payable in advance.

MASTER OF ARTS, SCIENCE AND LETTERS.

The Master's Degree in course may be conferred upon the following classes of students:

1. Graduates of this or any approved institution of learning of equal rank, who have received the corresponding Bachelor's Degree, and who have taken one year's approved resident graduate study, equal in amount to a full year in college—pursued in at least two departments—and who have passed a satisfactory examination in each subject and presented a satisfactory thesis.

2. Graduates of this University who have completed a course of at least two years' professional study at an approved institution of learning and have presented a satisfactory thesis.

3. Graduates of this University who have completed two years of non-resident graduate study, other than professional in at least two branches, under the direction of the Faculty, and who have passed an examination in each subject and presented a satisfactory thesis.

4. Graduates of this University who, after graduation have spent three years in successfully teaching the higher branches in a classical or scientific institution of approved standing, and have furnished satisfactory evidence of special work in some line of advanced or professional study and who have presented a satisfactory thesis.

The fee for diploma is $5.00, and in case of resident study, the tuition shall be the same as that required of undergraduates.

SPECIAL STUDENTS.

In the arrangement of the courses the established fact is recognized that fixed schemes of study must be maintained in the interest of higher education, and students are strongly advised and encouraged to enter the regular courses.

All the privileges of the University, however, are open to students pursuing partial courses, as far as they are prepared to take advantage of them. Such special students in any course or department, not candidates for a degree, will be entitled to certificates of proficiency in the branches of study pursued.

OUTLINE OF COLLEGE COURSES.

GROUP I.

CLASSICAL.

Freshman Year.	F	W	S
Latin, I and II,	5	5	
Greek, I,			5
Mathematics, I & II,	5	5	
Literature, I	2	2	2
History, I-II, or III,	3	3	3
Elective,			5
Bible Study,	1	1	1

Sophomore Year.	F	W	S
Greek, II, III, IV,	5	5	5
Latin, IV and III,		3	5
Themes,	2	2	2
Chemistry, I, or Biology, I, II and III,	3	6	3
Mathematics, IV, or Elective,	5		
Bible Study,	1	1	1

Junior Year.	F	W	S
Latin, V and VI,		3	3
Greek, V,	4		
Modern Languages,	5	5	5
Economics,	3	3	
Public Speaking,	2	2	2
Electives,		2	5
Bible Study,	1	1	1

Senior Year.	F	W	S
Psychology,	3	3	
Logic,	4		
Evidences,		4	
Ethics,			5
Electives,	7	7	9
Rhetoricals,	1	1	1
Bible Study,	1	1	1

GROUP II.

LATIN MATHEMATICAL.

Freshman Year.	F	W	S
Latin, I, II and III,	5	5	5
Mathematics, I, II and III,	5	5	5
Chemistry, I, or Biology, I, II, III,	3	3	3
Literature, I,	2	2	2
Bible Study,	1	1	1

Sophomore Year.	F	W	S
Latin, VI,			3
Mathematics, IV, V,	5	5	5
Chemistry,	3	3	
Themes,	2	2	2
Modern Languages,	5	5	5
Bible Study,	1	1	1

Junior Year.	F	W	S
Latin, IV and V,		6	
Astronomy,			5
Modern Languages,	4	4	4
History, I-II, or III,	3	3	3
Public Speaking,	2	2	2
Electives,	6		1
Bible Study,	1	1	1

Senior Year.	F	W	S
Psychology,	3	3	
Logic,	4		
Evidences,		4	
Ethics,			5
Electives,	7	7	9
Rhetoricals,	1	1	1
Bible Study,	1	1	1

OUTLINE OF COLLEGE COURSES—Continued.

GROUP III.

GREEK PHILOSOPHICAL

Freshman Year.	F	W	S
Latin, I, II and III,	5	5	5
Greek, I,			5
Mathematics, I and II,	5	5	
Modern Languages,	5	5	5
Bible Study,	1	1	1

Sophomore Year.	F	W	S
Greek, II, III, IV,	5	5	5
History, I-II, or III,	3	3	3
Literature, I,	2	2	2
Themes,	2	2	2
Chemistry, I, or Biology, I, II, III,	3	3	3
Bible Study,	1	1	1

Junior Year.	F	W	S
Greek, V and VII,	4		3
Latin, IV, V and VI,		6	3
Logic,	4		
Chemistry, I, or Biology, II,	3		
History, IV,	2	2	2
Public Speaking,	2	2	2
Electives,		5	5
Bible Study,	1	1	1

Senior Year.	F	W	S
Psychology,	3	3	
History of Philos.,	5		
Evidences,		4	
Ethics,			5
Electives,	6	7	9
Rhetoricals,	1	1	1
Bible Study,	1	1	1

GROUP IV.

CHEMICAL BIOLOGICAL

Freshman Year.	F	W	S
Chemistry, I, or Biology, I, II, III,	3	3	3
Mathematics, I and II,	5	5	
Modern Languages,	5	5	5
Themes,	2	2	2
Literature, II,			5
Bible Study,	1	1	1

Sophomore Year.	F	W	S
Chemistry, I, or II and III,	3	3	3
Biology, I, II, III, or IV, V, VI,	3	3	3
Mathematics, IV,	5		
Modern Languages,	4	4	4
Literature, I,		2	2
Electives,		3	3
Bible Study,	1	1	1

Junior Year.	F	W	S
Biology or Chemistry	6	6	6
History, I-II, or III,	3	3	3
Political Science,	2	2	2
Electives,	4	4	4
Bible Study,	1	1	1

Senior Year.	F	W	S
Biology or Chemistry	3	3	3
Psychology,	3	3	
Logic,	4		
Ethics,			5
Geology,			5
Electives,	4	8	1
Rhetoricals,	1	1	1
Bible Study,	1	1	1

OUTLINE OF COLLEGE COURSES—Continued.

GROUP V.

LITERATURE.

Freshman Year.	F	W	S
Literature, I,	2	2	2
Literature, II,			5
History, III,	3	3	3
Mathematics, I & II,	5	5	
Foreign Languages,	5	5	5
Bible Study,	1	1	1

Sophomore Year.	F	W	S
Literature, IV,	3	3	3
Themes,	2	2	2
Foreign Languages,	4	4	4
Chemistry, I, or Biology, I, II, III,	3	3	3
Elective,	3	3	3
Bible Study,	1	1	1

Junior Year.	F	W	S
Literature, III,	2	2	2
Literature, VI,	3	3	3
Aesthetics,	3	3	3
Public Speaking,	2	2	2
Electives,	5	5	5
Bible Study,	1	1	1

Senior Year.	F	W	S
Literature, V,	2	2	2
Literary Criticism,		2	2
Sociology,	2	2	2
Psychology,	3	3	
Ethics,			5
Logic,	4		
Electives,	3	5	3
Rhetoricals,	1	1	1
Bible Study,	1	1	1

GROUP VI.

HISTORICAL-POLITICAL

Freshman Year.	F	W	S
History, I and II,	3	3	3
Literature, I,	2	2	2
Mathematics, I & II,	5	5	
Foreign Languages,	5	5	5
Elective,			5
Bible Study,	1	1	1

Sophomore Year.	F	W	S
History, III,	3	3	3
Sociology,	2	2	2
Themes,	2	2	2
Modern Languages,	4	4	4
Chemistry, I, or Biology, I, II, III,	3	3	3
Public Speaking,	1	1	1
Bible Study,	1	1	1

Junior Year.	F	W	S
History, IV,	2	2	2
Economics, I and II,	3	3	3
Public Speaking,	2	2	2
Chemistry or Biology,		3	3
Logic,	4		
Electives,	4	5	5
Bible Study,	1	1	1

Senior Year.	F	W	S
History, V,	2	2	2
Civics,	2	2	2
Psychology,	3	3	
Ethics,			5
International Law,	2	2	
Electives,	5	5	5
Rhetoricals,	1	1	1
Bible Study,	1	1	1

GROUPS.

Students entering the College are allowed the option among six groups of studies. It is expected that students will choose with care and after consultation with members of the Faculty such group as best meets their purpose in seeking an education. Each group is so constituted that it will give breadth of training and at the same time continuous and thorough training along some special line. Students having made their choice of a group are not allowed to change without a most satisfactory reason and by vote of the Faculty.

The groups will go into effect the coming year and students will be allowed to adjust their work to the groups as offered so far as possible. For securing a degree 192 credits are necessary, and a credit means one exercise per week in a class, with at least two hours of outside work, for a term. In adjusting the groups to students now enrolled in college classes the following number of credits will be necessary for receiving a degree: For Sophomores, 144; for Juniors, 96; for Seniors, 48.

Each group allows a certain number of credits for free electives. Students may elect such work as is offered along the line of their group or they may elect any study that is contained in the other groups. When a course runs through a year it must be elected for the year unless the instructor allows otherwise. The Faculty reserves the right to withdraw any elective if it be not chosen by a sufficient number of students to constitute a class. Elementary courses taken as electives in the upper years of college may not count for the same number of credits as when taken earlier.

Music may be elected in the Literature Group in amount and under conditions to be prescribed by the Faculty. For details see department of Music.

DEPARTMENTS AND METHODS OF INSTRUCTION.

PHILOSOPHY.

PROFESSOR MARSH, PRINCIPAL BATES.

PROFESSOR MARSH.

I. LOGIC. Jevons' Logic as recast by Hill is the text-book used in this course. Frequent exercises in the application of the principles of the science are assigned to the class. Special stress is laid upon the practical work done as the surest means of furnishing aid to the student in learning to think. *Four credits during the Fall term.*

PRINCIPAL BATES.

II. PSYCHOLOGY. The principles of this subject are taught by means of text-book and informal lectures. Text-book, James. Essays are required upon appointed themes, and a course of selected reading is marked out and required. *Three credits during the Fall and Winter terms.*

III. EVIDENCES OF CHRISTIANITY. This subject is taught by text-book, due consideration being paid to the current phases of thought. Wright: *Logic of Christian Evidences. Four credits during the Winter term.*

IV. ETHICS. In this course the text-book is supplemented by class discussions on the practical application of the principles established to the conduct of life. Fairchild: *Moral Science. Five credits during the Spring term.*

V. INTRODUCTION TO PHILOSOPHY. This course is designed to introduce the student to the history, methods and problems of philosophy. Lectures and recitations. Text-book, Weber's: *History of Philosophy. Five credits during the Fall term.*

HISTORY AND POLITICAL SCIENCE.

PROFESSOR ROBERTSON.

HISTORY.

I. MEDIAEVAL HISTORY. Text-book, informal lectures, collateral reading and reports. Must be preceded by at least two years of study in History. *Three credits during Fall term.*

Books: Thacher, Adams, Emerton, Bryce, Henderson's Documents.

II. MODERN HISTORY. Text-book, informal lectures, collateral reading and reports and discussions. Must be preceded by at least two years of study in History. *Three credits during the Winter and Spring terms.*

(a) Reformation Period. Winter term.

(b) Absolutism, Revolution and Reconstruction. Spring term.

Books used: Schwill, Lodge, Hausser, Epochs, Fyffe, Original Sources and larger works on special subjects.

III. ENGLISH HISTORY. Text-book, informal lectures, collateral reading and reports. *Three credits during the year.*

(a) Roman Occupation to Tudors. Fall term.

(b) Tudors to English Revolution. Winter term.

(c) English Revolution to present time. Spring term.

Books used: Coman & Kendall, Gardiner, Green, Smith, Bright and larger works on special subjects.

IV. POLITICAL HISTORY OF THE UNITED STATES. Text-book, informal lectures, collateral readings and reports.

A study of the political history of the United States from the Formation of the Union through the period of Reconstruction. *Two credits during the year.*

Books used: Hart, Wilson, Schouler, Von Holtz, McMaster, Hart's Contemporaries, Government publications and others.

V. EUROPE SINCE 1814. Text-book, informal lectures, collateral readings, reports and discussions.

Special emphasis on movements of social reform, economic changes, constitutional questions, nationalization, colonization, etc. *Two credits per week during the year.* This course is an intensive study of a period, and the period will be changed from time to time.

POLITICAL SCIENCE.

I. SOCIOLOGY. Text-book, informal lectures, collateral reading and reports. *Two credits during the year.*

(a) Study of Theory of Society. Fall term.

(b) Statistical Sociology. Winter term.

(c) Problems and Remedies. Spring term.

Books used: Giddings, Vincent & Small, Wright, Spencer, Mayo Smith and others.

II. ECONOMICS. Text-book, informal lectures, collateral reading. *Three credits for two terms.*

(a) Study of principles. Fall term.

(b) Study of some of the leading economic problems, with special emphasis on Money and Banking. Winter term.

Books used: Bullock, Walker, Hadley, Marshall, Cairnes. Dunbar, Laughlin, Ely and others.

III. PUBLIC FINANCE. Text-book, informal lectures and collateral reading. *Three credits for Spring term.*

Books used: Adams, Bastable, Seligman.

IV. CIVICS. Text-book, informal lectures, collateral reading. *Two credits during the year.*

Study of development of national government and leading types as found in England, Germany, France, Switzerland, Austro-Hungary and the United States.

Books used: Wilson, Burgess, Macey, Bryce and others.

V. INTERNATIONAL LAW. Text-book, informal lectures, collateral reading and reports. Study of most important principles and application to cases. *Two credits during Fall and Winter Terms.*

Books used: Lawrence, Woolsey, Wharton and others.

LATIN AND GREEK.

PROFESSOR MARSH.

I. LIVY. Book I. Besides the history of the period special attention is here paid to Roman antiquities. *Five credits during the Fall term.*

II. TACITUS. Germania and Agricola. *Five credits during the Winter term.*

III. HORACE. Selected Odes and Satires, Ars Poetica. Particular attention is paid to the style of Horace; and selections from other Latin poets are read for the sake of comparison. A few metrical translations are also required. *Five credits during the Spring term.*

IV. CICERO. Selections from De Oratore or De Officiis. *Three credits for Winter term.*

V. QUINTILIAN. Selections from De Institutione Oratoria are read, which present some of the leading principles of Rhetoric. *Three credits for the Winter term.*

VI. TERENCE. Andria. *Three credits for the Spring term.*

VII. CICERO. Elective. De Amicitia, De Senectute. *Four credits.*

I. HERODOTUS. Selections from Goodwin's Greek Reader. In connection with this course there is given a thorough grammatical review. *Five credits during the Spring term.*

II. HOMER. Two or more books of the Iliad. *Five credits during the Fall term.*

III. THUCYDIDES. Selections. *Five credits during the Winter Term.*

IV. SOPHOCLES. Antigone or Electra. The study of the Greek drama is taken up by lectures and collateral readings. *Five credits during the Spring term.*

V. PLATO. Apology and Crito. *Four credits during the Fall term.*

VI. PLATO. Elective. A farther study of Plato's writings, and of Greek Philosophy than is possible in the required course is undertaken in this course. *Three credits during the Winter term.*

VII. DEMOSTHENES. De Corona. *Three credits during the Spring term.*

GREEK AND LATIN TESTAMENTS. Those in the Classical and Greek Philosophical Groups use the Greek text and those in other Groups use the Latin. In alternate years selections will be read from the Gospel or Acts, and from the Epistles. *One credit through the Freshman and Sophomore years.*

MODERN LANGUAGES.

PROFESSOR BACH.

The aim of this department is to give the students an opportunity for as comprehensive a study of German, French and Spanish, as they may desire for any educational or practical purposes.

GERMAN.

I. ELEMENTARY COURSE. Grammar with oral and written exercises. After the first five or six weeks the reading of simple texts is added. Text-book, Joynes Meissner's German Grammar. *Five credits throughout the year.*

II. INTERMEDIATE COURSE. Advanced grammar with corresponding composition and oral exercises. Reading of intermediate texts in prose and verse. *Four credits throughout the year.*

III. ADVANCED COURSE. This course comprises a study of selections from classic authors as well as from representative historians and scientists. *Three credits throughout the year.*

FRENCH.

I. ELEMENTARY COURSE. Grammar with exercises oral and written. The reading of connected texts is begun as early as possible. Text-book: Fraser and Squair's French Grammar. *Five credits throughout the year.*

II. INTERMEDIATE COURSE. Advanced grammar with corresponding written and oral exercises. Reading of standard authors. *Four credits throughout the year.*

III. ADVANCED COURSE. Study of classic authors in prose and verse. Historical and scientific selections. Conversational exercises. *Three credits throughout the year.*

SPANISH.

I. ELEMENTARY COURSE. Grammar with oral and written exercises supplemented from the outset by the reading of easy texts. *Three credits throughout the year.*

II. ADVANCED COURSE. Advanced grammar with exercises. Composition. Reading of standard authors. Conversation. *Three credits throughout the year.*

ENGLISH LANGUAGE AND LITERATURE.

PROFESSOR FARNHAM.

A. LANGUAGE. Rhetoric is a prerequisite of all work in English Composition. Students who are conditioned in that subject can take the course required in the fourth year of the Academy. The aim of this department is to acquire the art of clear and forceful expression of thoughts related to the affairs of life, to cultivate a style that is sincere and natural, and to gain an appreciation of the best writers. Practice in composition is an important element in several of the courses in Literature, and in addition to the work of this department opportunities for practical application are offered under the Department of Public Speaking.

I. DAILY THEMES. This course presupposes a knowledge of the principles of Rhetoric. Daily themes on the basis of the paragraph; occasional long themes; lectures; criticism of themes in class; and individual conferences. The subjects during the Fall term are connected with daily affairs; in the Winter with lines of study or personal investigation; in the Spring short editorials on matters of the day. It is the aim to adapt this course to the demands of daily life and to the special needs of journalistic work. *Two credits throughout the year.*

Barrett Wendell: *English Composition.*

II. LITERARY CRITICISM. This course gives an opportunity for study of the best modern prose by analysis and extensive reading; frequent exercises in composition cultivate expression in literary form. *Two credits Winter and Spring terms.*

B. LITERATURE. The different courses in Literature aim not only to give the student a general acquaintance with works of the best writers in relation to the life and thought of their time, but also to develop an appreciation of good reading and to cultivate a literary style. To acquire independence of thought and ease of expression frequent reports, both oral and written, are presented. In addition to the courses described other electives will be offered as the requirements of the Literature Group may demand.

I. HISTORY OF ENGLISH LITERATURE. In this course emphasis is laid upon the great creative periods of English Literature by means of lectures, collateral readings and reports. A prerequisite of all other courses; required in all Groups. *Two credits throughout the year.*

The text-book recommended is W. E. Simonds: *A Student's History of English Literature.*

II. AMERICAN LITERATURE. After a brief preliminary study of early American writers the representative writers of the nineteenth century are studied in detail. The course is conducted by means of lectures, readings from the authors, and written reports. *Five credits for Spring term.*

III. GREAT MASTERS OF ENGLISH POETRY. The object of this course is to give an acquaintance with the life and work of three of the great English poets, their relation to literary history, and also to trace the development of the English language. Although the study is more complete when taken as a sequence, students at the discretion of the instructor may elect this course for one or two terms. *Two credits throughout the year.*

(a) Chaucer. Fall term.

(b) Spenser. Winter term.

(c) Milton. Spring term.

Globe edition of each poet. Not to be given in 1904-1905.

IV. THE ENGLISH DRAMA. This course consists of a preliminary study of the early drama, a critical study of representative plays of Shakespeare, and when time permits one or two plays illustrative of the later drama. The selection of plays is changed from year to year that students who wish to continue the study of Shakespeare may do so with advantage. *Three credits throughout the year.*

V. NINETEENTH CENTURY AUTHORS. The aim of this course is to obtain a conception of the intellectual and imaginative development of each author by a study of his work in relation to his environment and time. Lectures and collateral readings with weekly reports. Each student during the term is expected to make a critical study of an author embodying the results in a paper to be presented before the class. *Two credits throughout the year.*

(a) The Poets of the Romantic Revolt. Fall term.

(b) The Poets of the Victorian Era. Winter term.

(c) The Poets of Our Own Time. Spring term.

VI. GENERAL LITERATURE. This course consists of a study of Oriental and European Literatures through English translations. Representative works are studied in relation to the age and country in which each selection was produced. Among the works studied in 1903-1904 were the Book of Job, The Odyssey, The Divina Commedia, and Faust, closing with a short study of Celtic Literature. *Three credits throughout the year.*

VII. THE ENGLISH NOVEL. This course is designed to give a brief outline of the art of fiction, and more es-

pecially to enable the student to discriminate the best works of English and American story writers. The number of credits varies with the amount of time the special demands of the course require.

Reference book: Bliss Perry. *A Study of Prose Fiction.*

VIII. AESTHETICS. That students may have an opportunity to become familiar with the nature of the Beautiful, its different forms of expression and their correlation through Literature, a course in Aesthetics is offered with special reference to the Fine Arts and their interpretation. Lectures, readings, and study of representative forms by the aid of photographs and prints. The Library of the University contains a constantly increasing number of books which are helpful in this course. *Three credits throughout the year.*

PUBLIC SPEAKING.

*MR. SMITH.

EXTEMPORANEOUS SPEAKING. One hour a week is given to discussions of the principles of public speaking. The other hour is devoted to practice in extemporaneous speeches and debates. The students are allowed a short time to prepare upon subjects posted by the instructor, upon which they then make brief extemporaneous speeches in class. For the theory of public speaking students are referred to Ringwalt: *Modern American Oratory;* Alden: *The Art of Debate;* and Sears: *The Occasional Address. Two credits throughout the year.*

ORATIONS. This course consists in training in the writing and delivery of orations to be given in public. Each student is trained to express original thought in conformity to the principles of oratorical style and structure. Simplicity, sincerity and dignity in delivery are developed by individual instruction before each public ap-

*To June 15, 1904.

pearance. Required of Seniors. During the Spring term Seniors are required to write orations, which they deliver at commencement. *One credit for one year.*

VOCAL EXPRESSION AND DELIVERY. This course consists in special training in delivery for each speaker. Masterpieces of oratory are memorized and delivered in class, also original speeches and orations by the students themselves. Each student speaks before the class every week. The aim is to secure clearness of utterance and correctness of interpretation combined with vigor and ease of manner. *One credit during the Fall term.*

THEORY OF THE ORATION. This course deals with the theory of oratorical composition in general and of the college oration in particular. Lectures and dicussions of the principles of the oration are supplemented with analytical study of masterpieces of oratory. Each member of the class is required to write an oration under the supervision of the instructor and to report progress on the same once a week. Conferences on these orations will be held with each student separately by special appointment. Elective to college students. *One credit during the Spring term.*

Offered in 1904.

PURE AND APPLIED MATHEMATICS.

PRESIDENT FERRIN, MR. FLETCHER. *

MR. FLETCHER.

I. HIGHER ALGEBRA. Beginning with a rapid review of Quadratics, the work in this subject is carried as far as the capacity of the class will permit. *Five credits during the Fall term.*

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*Absent on leave 1904-05.

II. TRIGONOMETRY, PLANE AND SPHERICAL. Due attention is paid in this course to the practical applications of Trigonometry in Plane Surveying, Navigation and Astronomy. *Five credits during the Winter term.*

III. ENGINEERING. This course consists largely of field work and is designed to teach the practical use of the various engineering instruments. Practice is had in measuring and computing farm areas with the compass and chain; in the use of the Level instrument in determining the contour lines of some of the streets of the town; in the use of the Engineers Transit in laying out railroad curves, etc. Attention is given also to the plotting of areas and lines. *Five credits during the Spring term.*

PROFESSOR FERRIN.

IV. ANALYTICAL GEOMETRY. *Five credits during the first half year.*

V. CALCULUS. The infinitesimal method is used in the treatment of this subject. *Five credits per week during the last half of the Winter term and five credits during the Spring term.*

VI. MECHANICS. Carhart: *Physics. Five credits per week during the Fall term.*

VII. PHYSICS. This course consists of a mathematical treatment of the different branches of Physics, the work being supplemented by lectures and the use of illustrative apparatus. Carhart: *Physics. Five credits during the Winter term.*

VIII. ASTRONOMY. Special attention is given to establishing the mathematical principles of the science and to teaching the methods of computation in most general use in practical Astronomy. Olmsted: *Revised College Astronomy. Five credits during the Spring term.*

CHEMISTRY AND GEOLOGY.

PROFESSOR BRADLEY.

I. GENERAL CHEMISTRY. An introductory course in which the principles of the science are studied and its practical application emphasized. The work consists of two lectures and four laboratory hours per week throughout the year. *Three credits per term.* The text-book used is Dennis & Clarke's.

II. QUALITATIVE ANALYSIS. This course consists of a systematic study of the principal metals and acids and methods of detecting them in simple and complex mixtures. During the course students are required to make practical analyses of ores, mineral waters, etc. Quizzes and lectures on the metals and theory of solutions supplement the laboratory work. Two lectures and four laboratory hours during the first half of the year. *Three credits per term.*

III. QUANTITATIVE ANALYSIS. The estimation of the metals in their salts and ores by Gravimetric and Volumetric methods. Complete analyses of inorganic compounds that have been prepared in the laboratory. Six hours laboratory work per week during the second half of the year. *Three credits per term.*

Courses I, II, III are prerequisite for any of the following:

IV. ORGANIC CHEMISTRY. The preparation of organic compounds in the laboratory. Lectures on the compounds of Carbon and their synthetic relations. *Three to ten credits.*

V. INORGANIC PREPARATIONS. The preparation of pure inorganic salts for laboratory stock, from commercial products, ores, etc. *Three to ten credits.*

VI. ASSAYING. Fire assays of gold, silver and lead. Volumetric determination of copper and lead. *Five to ten credits.*

VII. ADVANCED ANALYTICAL CHEMISTRY. A continuation of Course III. Special work in the analysis of waters, minerals and industrial products. *Five to ten credits.*

VIII. ORGANIC ANALYSIS. The analysis of foods, agricultural products, etc. Determination of carbon, hydrogen and nitrogen by combustion. *Five to ten credits.* Follows Course IV.

IX. PHYSIOLOGICAL CHEMISTRY. Qualitative examination of digestive juices and animal secretions. Urine analysis. *Five credits.*

GEOLOGY.

I. GEOLOGY. The work in Geology consists of a thorough study of Leconte's Elements as a basis. In connection with this, important fossil types and methods for determining the common minerals are studied in the laboratory. Field trips are taken and special attention is given to geological reports on Pacific Coast and Northwest areas. *Five credits.*

BIOLOGY.

PROFESSOR COGHILL.

I. ZOOLOGY. A comparative study of representative types of the Invertebrata. One recitation and four hours' laboratory work. Textbook, Thompson's *Outlines of Zoology. Three credits for first term.*

II. ZOOLOGY AND PHYSIOLOGY. A comparative study of the Vertebrata, with considerable attention given to the principles of physiology of the group. One hour recitation and four hours' laboratory work. Textbook,

Thompson's *Outlines of Zoology. Three credits for second term.*

III. BOTANY AND THEORETICAL BIOLOGY. A study of the structure and taxonomy of spermatophytes supplemented with an historical and critical consideration of some of the more prominent biological theories. One lecture and four hours' laboratory work. Textbook, Coulter's *Plant Structure. Three credits for third term.*

IV. THE VERTEBRATE SKELETON. A laboratory course upon the comparative anatomy of the skeleton of vertebrates. Prerequisite, I and II or equivalent. Six hours' attendance. *Three credits for first term.*

V and VI. COMPARATIVE ANATOMY OF VERTEBRATES. A laboratory course in the dissection of vertebrates, with required reading in Wiedersheim & Parker's *"Comparative Anatomy of Vertebrates."* Prerequisite, IV. Six hours' attendance. *Three credits for second and third terms.*

VII. HISTOLOGY. Practice in fixing, sectioning, staining and mounting tissues for microscopical study, with lectures on cytology. Prerequisite, I and II or equivalent. Six hours' attendance. *Three credits for first term.*

VIII and IX. HISTOLOGY AND PHYSIOLOGY. The technique of VII continued, with lectures on secretion, digestion, nutrition, absorption, circulation and respiration, with special reference to the histology of the organs. Prerequisite, VII. Six hours' attendance. *Three credits for second and third terms.*

X, XI and XII. EMBRYOLOGY. A study of the germ cell, its maturation and fertilization; the cleavage of the egg and the development of the various organs in the vertebrate embryo, with observations on the embryos of the frog and chick. Prerequisite, I and II or equivalent. Six hours; attendance. *Three credits for first, second and third terms.*

XIII. NEUROLOGY. The nervous system of fishes and Amphibia. Lectures and laboratory work on the structure of the neurone, the histogenesis of the nervous system and the topography of the central and peripheral systems. Prerequisite, I and II or equivalent. Six hours' attendance. *Three credits for first term.*

XIV. NEUROLOGY. The nervous system of mammals. Lectures and laboratory work on the peripheral nerves and the topography and histology of the brain and spinal cord. Prerequisite, I and II or equivalent. Six hours' attendance. *Three credits for second term.*

XV. NEUROLOGY. The structure and physiology of the sense organs, with special reference to those of man, and the arrangement of the better known central neurone systems. Prerequisite, I and II or equivalent. Six hours' attendance. *Three credits for third term.*

XVI. BACTERIOLOGY. Laboratory practice in preparing and sterilizing media, and in the isolation and study of pure cultures of bacteria. Only students who have had considerable practice in the laboratory technique of both chemistry and biology will be admitted to this course.

Time and credits may be arranged by consultation with the instructor.

XVII. BIOLOGICAL RESEARCH. Students who have had sufficient training in biological work are permitted to pursue a definite line of research. Suitable credits will be given upon presentation of a thesis embodying results of this work.

NOTE.—Courses IV, V, VI, and VII, VIII, IX, will not be offered during the same year. The preference of students for either series will be considered in determining which series will be given.

THE ACADEMY.

The Academy is under the immediate charge of the Principal and his Assistants. The college Faculty has general direction regarding the course of study and discipline.

PREPARATION FOR COLLEGE.

The Academy provides thorough preparation for the different groups of studies offered in the College, and at the same time offers special opportunities for those desiring thorough training in the common English branches. All the facilities of the University in the way of libraries, lectures, etc., will be open to such students, and it is believed that these privileges will be of peculiar value to those preparing to teach.

REQUIREMENTS FOR ADMISSION.

To enter either Academic course proper, the student must be able to pass a satisfactory examination in the Sub-preparatory studies. For admission to advanced standing, the student must give satisfactory evidence, by examination or approved certificate, that he has completed the work passed over by the class to be entered, or its equivalent. It is desired and advised that students begin their studies at the opening of the Fall term, and enter one of the regular courses.

SUB-PREPARATORY STUDIES.

When there is a sufficient demand for them, classes in the following studies are formed for students not yet fitted for the regular Academy courses:

Written Arithmetic, Mental Arithmetic, Grammar, Geography, Reading, Physiology, Book-Keeping, United States History.

REPORTS.

A record of the work of each student is kept, and at the close of each term a report is sent to the parent or guardian.

ACCREDITED SCHOOLS.

Hood River Grammar School, Hillsboro Grammar mar School, Joseph Grammar School, Union Grammar School, Goldendale Grammar School, North Yamhill Grammar School and High School, Park Place Grammar School, Forest Grove Grammar School and Mitchell Grammar School.

Schools which desire to have their pupils thus admitted are requested to send to the Principal of the Academy their courses of study. All certificates should, if possible, be sent before Commencement.

If the preparation of the student who is admitted by certificate is found to be wanting in thoroughness, the privilege of sending students in this manner may be withdrawn from the school that has certified his preparation.

EXAMINATIONS.

Examinations are held in each subject at the end of each term, and no student who fails to pass in more than one study is allowed to maintain his position in the class, unless such work is made up in one term.

STUDY HOURS.

In order to insure the time necessary for the preparation of lessons and to encourage methodical habits, an observance of the following study hours is required:

Study Hours, except on Saturday and Sunday, are from 8:45 a. m. to 12 m.; from 1 to 4 p. m. and from 7:30 to 9 p. m. After May 1, and on Saturdays throughout the year, from 8 to 9 p. m. During these hours and

after 9 p. m., students are expected to be in their rooms unless at school exercises or especially excused.

CERTIFICATE.

Students who complete the work of the Academic courses receive a certificate admitting them to corresponding courses in college.

For information concerning expenses and regulations, see pp. 16-19.

OUTLINE OF COURSES.

ACADEMY.

FIRST YEAR.

FALL.		WINTER.		SPRING.	
Classical Scientific Literary	Credits		Credits		Credits
Latin	5	Latin	5	Latin	5
English	5	English	5	English	5
History	5	History	5	Arithmetic Review	5
Bible	1	Bible	1	Bible	1

SECOND YEAR.

FALL.		WINTER.		SPRING.	
Classical Scientific Literary	Credits		Credits		Credits
Latin	5	Latin	5	Latin	5
Algebra	5	Algebra	5	Algebra	5
English	2	English	2	English	2
History	4	History	4	History	4
*Mechanical Drawing	1	*Mechanical Drawing	1	*Mechanical Drawing	1
Bible	1	Bible	1	Bible	1

Note—Classical Course leads to Groups I, II, III, IV, V, VI in the college; Scientific and Literary Courses to Groups II, IV, V and VI in the college.

*To be omitted for the year 1904 and 1905.

THIRD YEAR.

FALL.		WINTER.		SPRING.	
Classical	Credits		Credits		Credits
Cicero	5	Cicero	5	Cicero	5
Greek	5	Greek	5	Greek	5
Plane Geometry	5	Plane Geometry	5	Solid Geometry	5
Rhetoricals	1	Rhetoricals	1	Rhetoricals	1
Bible	1	Bible	1	Bible	1
Literary Scientific					
	Credits		Credits		Credits
Cicero	5	Cicero	5	Cicero	5
English	5	English	5	Astronomy	5
Plane Geometry	5	Plane Geometry	5	Solid Geometry	5
Rhetoricals	1	Rhetoricals	1	Rhetoricals	1
Bible	1	Bible	1	Bible	1

FOURTH YEAR.

FALL.		WINTER.		SPRING.	
Classical	Credits		Credits		Credits
Ovid	4	Vergil	4	Vergil	4
Anabasis	5	Anabasis	5	Anabasis	5
				Algebra Review	2
Physics	5	Physics	5	Botany	5
Rhetoric	3	Rhetoric	3	Rhetoricals	1
Bible	1	Bible	1	Bible	1
Literary Scientific	Credits		Credits		Credits
Ovid	4	Vergil	4	Vergil	4
French or German	5	French or German	5	French or German	5
				Algebra Review	2
Physics	5	Physics	5	Botany	5
Rhetoric	3	Rhetoric	3	Rhetoricals	1
Bible	1	Bible	1	Bible	1

Notes—1. Spelling will be required when necessary.

—2. Chemistry, 3 credits, and English, 2 credits, may by special permission be substituted for Physics and Botany in the Literary and Scientific Courses.

In order that the work of the Academy may be seen more in detail, the following statement is added to the outline given above:

LATIN AND GREEK. The first year's work in Latin and Greek includes a thorough mastery of the forms and simpler constructions. The remaining time is devoted to reading Fabulæ Faciles, four books of Caesar, six orations of Cicero, three books of Vergil's Aeneid and four books of Xenophon's Anabasis, accompanied by more advanced work in Grammar and Prose Composition. During the last two terms of the course, special attention is given to Greek and Roman Literature.

Text-books: Collar & Daniell: *First Year Latin;* Allen & Greenough: *Latin Grammar;* Kelsey: *Caesar and Cicero;* any good edition of Vergil; Allen & Greenough: *Ovid;* Goodwin: *Greek Grammar;* White: *First Greek Book;* Botta: *Handbook of Universal Literature;* Bullfinch: *Age of Fable.*

FRENCH. French is optional with German for Scientific and Literary courses in the fourth year. For further information, see p. 33.

MATHEMATICS. Three terms in the second year are given to the study of Algebra. The work of the first term is to fractions; of the second to involution; and of the third to theory of quadratics. A review is given in Spring term of fourth year.

Plane and Solid Geometry extend through the third year. Considerable work is done in original propositions and problems, the amount depending somewhat upon the capability of the class.

Text-books: Wells: *Academic Algebra;* Wentworth: *Plane and Solid Geometry.*

ENGLISH. The work of the first year in the Academy is directed to the study of words and the general structure of the language, as well as the simple elements of Rhet-

oric. Two or three selections from American authors are read carefully in class, such as Evangeline, Snow-Bound, and The Great Stone Face. In addition to this, the student is required to pass an examination each term upon a book by some recognized author assigned for reading outside of the class. In 1903-1904 the term-readings were Hughes: *Tom Brown at Rugby;* Hawthorne: *The Wonder-Book;* and Stevenson: *Treasure Island.* Practical work in Composition is required in the form of frequent short themes and letters. One hour each week is given to rhetorical drill, selections from masterpieces of oratory being memorized and delivered by the students. *Five credits throughout the year.*

Text-book: Lockwood and Emerson: *Composition and Rhetoric.*

The work of the second year is a careful study of long selections from the works of standard authors. During the year 1903-1904 the class read Scott: *Lay of the Last Minstrel;* Shakespeare: *Merchant of Venice.* The term readings were: Cooper: *The Last of the Mohicans;* Scott: *Ivanhoe;* and Blackmore: *Lorna Doone.* Composition work is carried on by means of occasional themes on subjects connected with the readings. Selections are memorized and recited in the class, parts of the works studied are read aloud, and each student is required to prepare and present one declamation before the class. *Two credits throughout the year.*

In the third year for the Scientific and Literary courses five hours a week are given to the study of English during the Fall and Winter terms. In 1903-1904 the class studied Syle's *From Milton to Tennyson* and Shakespeare's *Macbeth.* Compositions are written on subjects suggested by the literary study.

In the fourth year three hours of Rhetoric are required in the Fall and Winter terms for all courses. The principles of Rhetoric are taught by careful study of the

text-books and by use of illustrative selections from the standard writers. Facility in composition is acquired by writing frequent short themes on familiar subjects. By this means the student develops the ability to put into practice the principles of composition learned in the text-book study. Occasional lectures and discussions of themes by the class further enable the student to deal with various problems of literary style. Method in thought, with ease and vigor of expression, are the special objects toward which the theme is directed. Text-book, Genung: *The Working Principles of Rhetoric.* In the Spring term each student in the fourth year class is required to prepare for the apearance on "Academy Day" in Commencement week.

RHETORICAL WORK. This course covers the four years of Academy study and is required of every student. The work during the first and second years is carried on in connection with the work in English. All members of the third and fourth year classes are required to learn and present declamations before the class in Rhetoricals and before the Academy. Books for outside reading are assigned to the class in Rhetoricals, and each member of the class is required to write an essay, during the year, upon some subject connected with the term readings. *One credit throughout the year.*

PHYSIOLOGY. Elementary course. One term in sub-preparatory year. *Five credits.*

PHYSICS. A practical laboratory course, illustrating the elementary principles. Fall and Winter terms of fourth year. Text-book: Henderson & Woodhull. Fee, $2.00. *Five credits.*

ASTRONOMY. Elementary course. Spring term of third year.

Text-book: *Todd's New Astronomy. Five credits.*

BOTANY. Elementary course. Spring term of fourth year. Recitations, two hours. Laboratory, six hours.

Text-book: *Levitt's Outlines of Botany.* Laboratory fee, 50 cents. *Five credits.*

HISTORY. Greek and Roman History are taught during the Fall and Winter terms of the first year. General European History from the fall of the Roman Empire during the second year.

Text-book: Adams: *European History.*

COMMON ENGLISH BRANCHES. During the Sub-preparatory year, thorough training is given in the common English branches, including Arithmetic, Mental Arithmetic, English Grammar, Descriptive Geography, Reading, Spelling, United States History.

BOOKKEEPING is taught as a special study. It is given to meet the wants of pupils who need this study, and at the same time wish a more thorough general education than can be secured at a business college.

Text-book: Williams & Rogers: *Office Routine and Bookkeeping.*

SHORTHAND AND TYPEWRITING Shorthand and typewriting have been taught throughout the past two years, and the call for these subjects seems to demand a continuance of the work. While we do not conduct a regular commercial department, yet the Shorthand, Typewriting and Bookkeeping offered, together with such special studies as Grammar, Arithmetic, Spelling and Penmanship, provide a practical business course. Students who wish to make business training their chief aim may thus serve their purpose and at the same time enjoy the privileges and benefits of attendance at the University. Those who wish the business branches may also elect studies in the College or Academy courses; and one or more of the business subjects may be taken, upon pay-

ment of the special fee, by those pursuing a regular course.

The tuition for either stenography or typewriting is $5.00 per term. If both are taken together the tuition is $7.50 per term, including use of the machine.

BIBLE STUDY. The English Bible occupies a regular place in the curriculum of study, and one exercise a week is required of all students. The work of the Sub-preparatory and first year begins with the study of Genesis and extends through the First Book of Samuel.

Second year begins with the First Book of Kings and extends through Nehemiah, with portions of the Prophets.

Third year, the Life of Christ, as contained in the Four Gospels, with supplementary topics.

Fourth year, the Founding of the Christian Church and the Life of Paul, as contained in the Acts of the Apostles and the Epistles.

CONSERVATORY OF MUSIC.

The Conservatory of Music, as one of the departments of the University, is under the same general management as the other departments and under the special direction of Professor F. T. Chapman, who, with assistant teachers, offers courses in Vocal, Piano, Organ, and Violin; also courses in Harmony, Theory, History of Music, Ensemble and Choral Work.

The courses are designed for both those studying professionally and for those who study music as a part of the culture to be derived from a college or academic education.

The faculty comprise teachers who are specialtists in their several departments and who have had exceptional advantages of study.

The aim of the Conservatory is to give the best and most comprehensive instruction with the smallest possible expense to the student.

FREE PRIVILEGES. All the recitals by the pupils, the ensemble work, where the pupil is sufficiently prepared, and the choral work are free to pupils, a mere nominal fee attaching to the latter. Several notable works have been given during the past year by the Choral Union.

ARTISTS' COURSE. No less important than lessons is the hearing of great artists. The Director expects to present a course of recitals and lectures by foreign and home artists, which will be educational and comprehensive.

ADVANTAGES. Students have access to the library of the University, which is fully adequate, musically, for research and study. Students receive, free, the benefit of

appearing on recital programmes several times a year, when sufficiently advanced.

The Director will hear the pupils of the first assistant teacher in the presence of the teacher at least once each term. He will hear the pupils of the second assistant teacher several times each term. No superficial work will be tolerated in teacher or pupils, and the best artistic results possible will be required by the Director in all departments.

The Conservatory will be strengthened by new and enlarged quarters and by the addition of new instruments for concert and studio use.

DIPLOMAS. Diplomas are awarded by the Trustees of the University to students who have satisfactorily completed the course.

Students sufficiently advanced to pass examination in the work of the first and second years may begin in the course with the third year.

All candidates for graduation must pursue in the school the studies of the third and fourth years.

Candidates for graduation must have completed a course of academic study equivalent to that of Tualatin Academy.

ELECTIVE. Students in the College are allowed to choose Music as an elective study in the Literature Group, provided they devote to it not less than six hours a week of practice, and elect Theory as part of their music work for at least one year, the total amount elected not to exceed in credit five hours a week for one year.

PIANO. Two lessons a week with two hours' daily practice entitle the student to four credits.

THEORY. One exercise a week, two credits.

TUITION AND OTHER EXPENSES.

	Fall 18 Wks	Winter 11 Wks	Spring 12 Wks
Lessons with Director of the Department. — Private lessons, Piano, Violin and Vocal—			
Two per week (one-half hour each)..	$25.00	$21.00	$23.00
One per week (one-half hour each)..	13.00	11.00	12.00
Lessons with the First Assistants.— Private lessons, Piano, Organ and Vocal—			
Two per week (one-half hour each)..	16.00	14.00	15.00
One per week (one-half hour each)..	8.50	7.50	8.00
Lessons with the Second Assistant.— Private lessons, Piano and Organ—			
Two per week (one-half hour each)..	12.00	10.00	11.50
One per week (one-half hour each)..	6.50	5.50	6.00
Harmony (per term in class).....	5.00	5.00	5.00
History of Music (in class).....	3.00	3.00	3.00

Rent of Piano, per month (1 hour per day)....	$0.50 to $0.75
Rent of Piano, per month (2 hours per day)....	1.00 to 1.25
Rent of Piano, per month (3 hours per day)....	1.50 to 1.75

Pupils may make special arrangements with the Instructor for hours of piano practice.

Although not compulsory, it is advisable that pupils in all departments take two lessons per week.

No lessons missed by the pupils can be made up.

No pupils are received for less than an entire term, or such portion of it as remains after entrance.

Tuition for the term must be paid in advance, and no deduction will be made for absences unless by special arrangement.

COURSES OF STUDY.

THE PIANO-FORTE.

PREPARATORY.

Kohler's Method.

Arpeggios, Scales, Selected Czerny Studies, Heller's Etudes, Kuhner Etudes, Bach, Sonatinas by Clementi, Kuhlau, Sonatas by Haydn, Mozart. Easy pieces.

ACADEMIC.

Etudes, Czerny; School of Octave Playing, C. H. Doring; Kuhner Etudes; Octave Studies, Low; Studies, Taussig; Sonatas, Beethoven; Concert Works, Mendelssohn, Schumann; Well-tempered Clavichord, Bach; Concert Works, Chopin, Grieg, Rubinstein, St. Saens, MacDowell, etc.

COLLEGIATE.

Op. 10 and 25, Chopin; Octave Studies, Czerny; Studies in Double Thirds, Taussig; Gradus Ad Parnassum, Clementi; 24. Studies, Moscheles; Concertos and Concert Works, Chopin, Schumann, Beethoven, Liszt, Rubinstein, St. Saens, Schutt, Grieg, etc.

VIOLIN.

PREPARATORY.

David or Hermann's Violin method.

Daily Exercises, Schradieck; Etudes, Kayzer, Mazas. Easy pieces by Daucla, J. Weiss, Papini, Hauser, etc.

ACADEMIC.

David's Method, second part.

Etudes, Kreutzer; Daily Exercises, Schradieck; Studies in Thirds, Sixths, Octaves; Etudes; Fiorillo; Concertos in Concert Pieces by DeBeriot, Kreutzer, Rode, Alard, Vieuxtemps, Wieniawski, etc.

COLLEGIATE.

Caprices, Rode; Studies, Paganini; Sonatas, Concertos and Concert Pieces by Paganini, Mendelssohn, Beethoven, Bach, Spohr, Bazzini, Wieniawski, Sarasate, etc.

VOICE CULTURE.

In this department special attention is given to a natural and skillful management of the breath, and the correct position of the vocal organs in the production of clear, full, resonant tones.

Flexibility and the art of phrasing are developed through the practice of scale and arpeggio passages and solfeggi. A refined musical taste is developed by the study of the best songs, ancient and modern; Ballads, Thoroughly Composed German Songs and selections from Oratorio and Opera.

FIRST YEAR.

Voice development, Principles of breathing.

Voice placing, sight singing (if necessary).

Exercises by Abt, Sieber, English songs.

First year of Piano-forte course (a) (b).

SECOND YEAR.

Vocalises by Vaccai, Marchesi, Concone, Italian pronunciation, Italian and English songs.

Harmony: Three terms, Chorus Class.

THIRD YEAR.

Advanced vocalises.

Italian, English, French and German songs.

Concert, Oratorio, and Opera Arias.

THEORY OF MUSIC.

The work may be outined as follows:

NOTATION. The Theory of Rhythm and Tonality, Principles of simple chord construction.

HARMONY. Principles of Four-Part Composition; modulations and harmonic accompaniments to selected and original melodies.

COUNTERPOINT. Exercises in adding one, two, three or four voices in simple counterpoint to an original cantus firmus.

HISTORY.

It is the aim in this course to study the outlines of musical progress from the time of the most ancient civilization to the present.

A course of supplementary reading in connection with this study is arranged for music students, and programmes illustrating the different periods and styles of musical composition are given by the teachers.

COLLEGE STUDENTS.

1903-1904.

GRADUATE STUDENTS.

Emmel, Victor Emmanuel	B. S.	Biology	Scholls
Walker, Elda Rema	A. B.	Biology	Forest Grove

SENIORS.

Hoge, Mabel Estelle	L	Forest Grove
Robinson, Thomas	C	Hillsboro
Yoder, Harriet Jean	L	Oakland, Cal.

JUNIORS.

Fletcher, Chester Kimes	S	Forest Grove
Markham, Melvin Wilson	S	Forest Grove
Peters, Richard Frank	S	Hillsboro
Peters, Lottie Sara	L	Hillsboro
Philbrook, John Watson	S	Sylvan, Wash.
Shively, William Benton	S	Oregon City
Thomas, Horace Estes	L	Forest Grove
Waters, Ethel Ada	L	Forest Grove

SOPHOMORES.

Barnet, Montrose Lanier	S	S. Pasadena, Cal.
Bump, Daniel Deronda	S	Forest Grove
Ferrin, Livia Ella	C	Forest Grove
Hall, William Arthur	S	Clatskanie
Irvin, Clara Ida	S	Aurora
Prideaux, Arthur John	S	Portland
Rasmusen, William Beatty	L	Reedville
Sorensen, Frances Thora	L	Forest Grove
Thompson, James Garfield	S	Tualatin
Wirtz, Willard Hermann	S	Forest Grove

FRESHMEN.

Boldrick, Sarah Pamela	C	Forest Grove
Fitch, Caroline Estelle	C	Cornelius
Huston, Ella Blanche	S	Hillsboro
Hyde, Lillian Ella	S	Forest Grove
Irvin, Lilla Lydia	L	Aurora
Peters, John William	S	Hillsboro
Philbrook, Joshua Minot	S	Sylvan, Wash.
Sparks, Hugh Walter	L	Forest Grove
Sewell, Alice Eleanor	S	Hillsboro
Silverman, Esther	L	Skamakowa, Wash.
Waterman, Virgil	S	Forest Grove

SPECIAL.

Baker, Emerson	Greenville
Heidel, Minnie Esther	Hillsboro
Gilbert, Alfred Carlton	Portland
Fletcher, Frank Marion	Forest Grove
Moseley, Ethel Belle	Ellsworth
Mowry, George Oliver	Moro
Peterson, Raleigh Ulysses	Forest Grove
White, Jean Millicent	Oregon City
Sweek, John M.	Portland

ACADEMY STUDENTS.

1903-1904.

FOURTH YEAR.

Arnston, Herbert Hayes	C	Forest Grove
Clapp, Frances Benton	C	Forest Grove
Clapp, Gordon Adams	C	Forest Grove

THIRD YEAR.

Abernethy, Frances Mary	Dora
Baker, Dora Esther	Forest Grove
Barrett, Ira Ellis	Hillsboro
Barrett, William Nathan	Hillsboro
Brock, Selena Belle	Stella, Wash.
Brock, Laura Sophia	Stella, Wash.
Brown, Caroline Mae	Forest Grove
Chandler, Helen Willena	Forest Grove
Connell, Mary Grace	Hillsboro
French, Leroy Ray	Ellsworth, Wash.
Hartley, Gladys	Hood River
Huston, Oliver Bruce	Hillsboro
Hyde, Ruby Nell	Forest Grove
Imlay, Robert Alexander	Reedville
James, Otis Oran	Forest Grove
Lancefield, Georgia Chastain	Amity
Lawrence, Samuel B.	Scholls
Peterson, Pearl Ethel	Forest Grove
Ward, James Richard	Catlin, Wash.
Whealdon, Clarence L.	Plainview
Wilson, Hiram Edwin	Portland

SECOND YEAR.

Adams, Darrell Goodrich	Forest Grove
Allen, Alton Covell	Beaverton
Baldwin, Roy Alvin	Forest Grove
Baker, Coral March	Greenville

Brobst, John	Wilsonville
Brobst, Ellen	Wilsonville
Brown, David Coulter	Forest Grove
Brown, Gordon George	Forest Grove
Emmel, Mary Elizabeth	Scholls
Emmel, Nora Christina	Scholls
Ferrin, Haskell Ela	Forest Grove
Fitch, Ruth Helen	Cornelius
Hartley, Martha May	Banks
Hilts, Jonathan Urban	Greenville
Hoge, Jessie Mary	Forest Grove
Holmes, Martha Fredrika	Farmington
Humphreys, Harry Pembroke	Hillsboro
James, Cornelia Elizabeth	Forest Grove
*Johnson, Anna	Gales Creek
Kirkwood, Albert Allen	Forest Grove
Meagher, George Leroy	Beaverton
Merryman, Harold Comely	Hillsboro
Milne, Cleo Charles	Forest Grove
Moseley, Allan Roy	Ellsworth, Wash.
Robinson, Reginald	Hillsboro
Robinson, Alexander	Hillsboro
Templeton, Maverne	Forest Grove

FIRST YEAR.

Baldwin, Loyd	Forest Grove
Belknap, Lorena Constance	Forest Grove
Brown, Grace	Portland
Christian, Dessie	Forest Grove
Connell, Letitia Estelle	Hillsboro
Cornelius, Byron Scott	Astoria
Dixon, Charles Elial	Forest Grove
Evans, Robert Francis	Wasco
Elder, Lillie Belle	Wasco
Greear, Pearl	Hillsboro

*Deceased.

Haney, Fern Zelda	Forest Grove
Hollinger, Maud	Forest Grove
Kirkwood, Bertha Mary	Forest Grove
Knight, Fred Stuart	Forest Grove
Larkin, Mary Ann	Glencoe
Lieser, Leah Emma	Vancouver, Wash.
Lieser, Clyde Laughlin	Vancouver, Wash.
Loomis, Floyd Marshall	Forest Grove
Lytle, Nora	Forest Grove
Morley, Edna Mary	Forest Grove
Napier, John	Hilo, Hawaii
Oakerman, Helen Marie	Reedville
Orr, Fay Knott	Wasco
Parson, John	Gales Creek
Philbrook, George Warren	Sylvan, Wash.
Reeher, George Arthur	Wilson
Reeher, Amy Anna	Wilson
Roe, Edna Agatha	Dewey
Sargent, Walter Albert	Gales Creek
Shannahan, Ida Merle	Forest Grove
Tilbury, Gilbert Lawson	Hillsboro
Tilbury, Lloyd Ernest	Hillsboro
Wetherred, John Robert	Hillsboro
Wells, Julia Evelyn	Gales Creek
Westen, Wilbur Harry	Forest Grove
White, Walter Henry	Forest Grove
Woodward, Daisy Virginia	Wardner, Idaho

SUB-PREPARATORY.

Barnett, Owen Wilson	Wasco
Dixon, Chester Owen	Forest Grove
Eagleson, Charles Wright	Champoeg
Neil, George E.	Forest Grove
Raffety, Avery Charles	Forest Grove
Todd, Dorian	Hubbard
Weitzel, Mary Josephine	Forest Grove
White, Anna Augusta	Forest Grove
Williams, Ray Terrie	Forest Grove

SPECIAL.

Ames, Dagmar	Portland
Archbold, Rachel Elizabeth	Hillsboro
Bear, Grace Alberta	Forest Grove
Bellinger, Edna Edith	Forest Grove
Bollinger, Charles Frederick	Oregon City
Brown, Clifford	Forest Grove
Cole, Adine	Forest Grove
Deute, Arthur Herman	Oregon City
Dooly, Elizabeth Augusta	Forest Grove
Garrison, Paul Ellison	Forest Grove
Gates, Harvey Waldo	Chehalis, Wash.
Gowan, Frank Putnam	Burns
Gunning, Nora Ellen	White Salmon, Wn.
Gwynn, William Elisha	Hubbard
Hansen, Agnes Emily	Reedville
Hobbs, Harold Lu Verne	Cornelius
Hoover, Charles Henry	Ostrander, Wash.
Ireland, Lester Clay	Greenville
Jensen, Willis Earl	Forest Grove
Kendall, Arthur Leroy	Hillsboro
Kreider, Harriet Elizabeth	Forest Grove
La Chapelle, Lennie Lauretta	Forest Grove
Lawrence, Louie Leona	Scholls
Leabo, Bertha Alice	Forest Grove
Loomis, Oscar Benjamin	Forest Grove
Loynes, Clara Charlotte	Forest Grove
McCorkle, Frank	Lexington, Wash.
Mason, Claude	Boise, Idaho
Moore, Jesse C.	Greenville
Purdin, Charles Wesley	Hillsboro
Reckmeyer, Emma Elizabeth	Forest Grove
Ritchey, Bessie Louise	Forest Grove
Robinson, Ernest Humphreys	Hillsboro
Shannon, Mary Katherine	Forest Grove
Shorb, Lena Grace	Forest Grove
Smith, Bessie May	North Yamhill

Sparks, Leslie Clay	Vancouver, Wash.
Staehr, Lydia	Forest Grove
Thorne, Jennie Gurley	Hillsboro
Tongue, Florence	Hillsboro
Traver, Walter Ernest	Forest Grove
White, Norman Campbell	Oregon City
Wirtz, Mabel	Forest Grove
Witham, Herman Ernest	Boise, Idaho

STUDENTS IN CONSERVATORY OF MUSIC.

Abernethy, Frances Mary	Dora
Ballard, Grace	Hillsboro
Beal, Orell M.	Forest Grove
Beeks, Cora	Goldendale, Wash.
Brobst, John	Wilsonville
Brobst, Ellen	Wilsonville
Brobst, Elizabeth	Wilsonville
Brock, Selena Belle	Stella, Wash.
Brock, Laura Sophia	Stella, Wash.
Buxton, Maude	Forest Grove
Cadwell, Irene	Leaburg
Chandler, Wilma Pearl	Forest Grove
Clapp, Frances Benton	Forest Grove
Clapp, Edson Dwinell	Forest Grove
Connell, Hattie	Hillsboro
Dixon, Charles Elial	Forest Grove
Ferrin, Livia Ella	Forest Grove
Fletcher, William Thomas	Forest Grove
Fletcher, Mrs. W. T.	Forest Grove
Fletcher, Chester Kimes	Forest Grove
Gunning, Nora Ellen	White Salmon, Wn.
Haley, Carienette	Forest Grove
Hartley, Gladys	Hood River
Haynes, Claire	Forest Grove
Hoge, Jessie Mary	Forest Grove
Hyde, Ruby Nell	Forest Grove
Imbrie, Edna	Hillsboro

Imbrie, Lucille	Hillsboro
Johnson, Annie	Forest Grove
Johnson, Bertie Cordelia	Forest Grove
Kane, Mrs. Frank T.	Forest Grove
Kreider, Hettie Magdalene	Forest Grove
Leabo, Bertha Alice	Forest Grove
Lieser, Leah	Vancouver, Wash.
Luce, Helen	Forest Grove
McEldowney, Mrs. Wilbur T.	Forest Grove
Marsh, Frederick L.	Forest Grove
Marsh, Gertrude Emily	Forest Grove
Morgan, Dayse Gertrude	Forest Grove
Moseley, Ethel Belle	Ellsworth, Wash.
Philbrook, George Warren	Sylvan, Wash.
Reed, Clarence	Keasey
Ruble, Eleipha	Hillsboro
Sappington, Birdie	Hillsboro
Sears, W. G.	Forest Grove
Sewell, Alice Eleanor	Hillsboro
Shannon, Mary Katherine	Forest Grove
Shimin, Agnes	Guffey, Colo.
Smith, Henry Dickinson	Forest Grove
Smith, Bessie May	North Yamhill
Smith, Gertrude	Forest Grove
Sparks, Leslie Clay	Vancouver, Wash.
Staehr, Emma	Forest Grove
Staehr, Lydia	Forest Grove
Staehr, Marie	Forest Grove
Swanson, Lizzie	Forest Grove
Teegarden, Leila	Forest Grove
Thorne, Jennie Gurley	Hillsboro
Tilbury, Gilbert Lawson	Hillsboro
Tilbury, Stella	Hillsboro
Todd, Gladys	Forest Grove
Todd, Wanda	Forest Grove
Tongue, Florence	Hillsboro
Via, Stella	Forest Grove
Waggener, Wilma	Hillsboro

Wilkes, Bruce	Hillsboro
Wilson, Hiram Edwin	Portland
Wirtz, Mabel	Forest Grove
Witham, Herman Ernest	Boise, Idaho
Wood, Grace Christine	Forest Grove
Woodward, Daisy Virginia	Wardner, Idaho
Yoder, Harriet Jean	Oakland, Cal.

SUMMARY OF STUDENTS.

College	43
Academy	141
Conservatory of Music	72
Total	256
Deduct number counted more than once	30
Total number of different students for the Academic year 1903-1904	226

PRIZES.

CORBETT PRIZE FOR ORATORY—1904.

First prize .....Richard Frank Peters
Second prize.....Montrose Lanier Barnet

CORBETT PRIZE FOR DECLAMATION—1903.

Ladies' prize .....Helen Rueter
Gentlemen's prize.....Hugh Walter Sparks

PRIZE FOR EXTEMPORE SPEAKING—1903.

Prize.....Harriet Jean Yoder

OFFICERS OF THE ASSOCIATE ALUMNI.

PRESIDENT.

J. Wheelock Marsh, 1886.....Portland

VICE-PRESIDENT.

Charles E. Bradley, 1897.....Forest Grove

SECRETARY AND TREASURER.

William T. Fletcher, 1900.....Forest Grove

ALUMNI.

1863

Harvey W. Scott, A. M., Editor-in-Chief Oregonian — Portland

1866

Geo. H. Durham, A. M., Attorney-at-Law — Portland
Myron Eells, D. D. Congregational Clergyman — Twana, Wn.
Edward B. Watson, A. M., Attorney-at-Law — Portland

1867

John Q. A. Bowlby, A. M., Attorney-at-Law — Astoria
J. Elkanah Walker, A. M., D. D., Missionary, A. B. C. F. M. — Foochow, China
David Raffety, B. S., M. D., Physician — Portland

1868

Charles C. Hall, A. M., Farmer — Portland
Thomas H. Tongue, A. M., obit. 1903 — Hillsboro

1869

Jacob Hoover, A. M., obit. 1898	Spokane, Wn.
Raleigh Stott, A. M., obit. 1901	Portland
Harriet (Hoover) Killin, M. S.	Portland

1870

Frank L. Stott, A. B., obit. 1873	Gaston
Addison A. Lindsley, A. B., Business	Portland
Georgiana (Brown) Bowlby, M. S.	Astoria
Phoebe Irene (Clark) Davis, M. S.	Cleone
Candace A. (Neal) Luce, M. S.	Forest Grove

1872

Henry B. Luce, A. B., Farmer	Forest Grove

1873

Levi C. Walker, A. M., Surveyor	Forest Grove
William R. Bilyeu, B. S., Attorney-at-Law	Albany
W. D. Lyman, A. M., Professor of History and of the English Language and Literature, Whitman College	Walla Walla, Wn.
Mary (Goodell) Burt, M. S.	Yoncalla
Sarah I. Lyman, M. S.	Portland

1874

Eugene P. McCornack, A. B., Banker	Salem
Herbert F. McCornack, A. B., M. D., Postmaster	Eugene
Willard H. Latourette, B. S., Baptist General Missionary	McMinnville
Jacob G. Stevenson, B. S., Farmer	Eugene
Dora (Henshaw) Morgan, M. S.	Mohler, Wn.

1875

Hattie (Martin) Vestal, B. S.	Snohomish, Wn.
S. Belle (Putnam) Walker, M. S.	Forest Grove

1876

Edward M. Atkinson, A. B., Attorney-at-Law	Oregon City
Hatstara Tamura, A. M., Principal Female Seminary	Kioto, Japan
James T. Martin, B. S., (M. D., University Michigan, 1883), Physician	Sacramento, Cal.
Yei Nosea, A. M., obit. 1895	Tokio, Japan
Kin Saito, B. S., (LL. B., University Michigan, 1871), Chief Justice of the Court of Hokkaido	Hakodate, Japan
Ella (Watt) Jackson, M. S.	Portland

1877

William K. Curtis, B. S., Farmer	Forest Grove
Charles W. Schaff, B. S., M. D.	Lewiston, Idaho
Tabitha A. (Clark) Ebert, M. S.	Vancouver, Wn.

1878

Laura M. (Hoxter) Whalley, A. B.	Portland
DeWitt Clinton Latourette, A. M., Attorney-at-Law and Banker	Oregon City
Horace S. Lyman, A. M., Congregational Clergyman. Co. School Supt.	Astoria
Ella (Scott) Latourette, A. M.	Oregon City
Milton W. Smith, A. M., Attorney-at-Law	Portland
Mary A. (Cresswell) Eagen, M. S.	Freewater, Ore.
Mary S. Eaton, M. S., obit. 1882	Oswego
Elvia H. Fearnside, M. S., obit. 1879	Forest Grove
Mary F. (Lyman) McCoy, M. S.	Portland
Samuel R. Stott, B. S., Attorney-at-Law	Baker City

1879

William N. Barrett, B. S., Attorney-at-Law	Hillsboro
Frank M. Beckwith, B. S., Merchant	Mayview, Wn.

1880

Newton McCoy, A. B., Attorney-at-Law Portland

1881

George W. Coplen, A. B., obit. 1898 Latah, Wn.
John T. Whalley, A. M., Attorney-at-Law Portland
J. Alfred Watt, B. S., (M. D. Univ. of Michigan) Physician Hood River

1882

Mitchell Gilliam, A. B., Attorney-at-Law, Corporation Attorney Seattle, Wn.
Barnett Y. Roe, A. B., Postmaster Dewey
Mary Virginia Keene, M. S., Teacher Albert

1883

Napoleon Davis, A. M., Attorney-at-Law Cleone
Adelaide (Poppleton) Harding, A. B. Portland
Anna Jackson, M. S., Teacher Portland

1884

Joseph Beek, A. B. Medford

1885

Marion C. Adams, A. B., Teacher Nez Perces, Idaho
Margaret J. (Macrum) Byrd, M. S. Salem
Silas M. Shipley, B. S. (LL. B., University Oregon, 1888), Attorney-at-Law Seattle, Wn.

1886

James R. Marsh, A. B., Farmer Molalla
J. Wheelock Marsh, A. B., Bookkeeper Portland
Laura (Marsh) Cadwell, M. S., obit. 1901 Forest Grove

1887

William D. Wood, A. B., (M. D., University Michigan, 1890), Physician	Hillsboro
Callie (Campbell) Montgomery, M. S.	Glendale
Mary Gray, M. S., obit. 1890	Portland
Ethel Gray, M. S., M. D. (University of Oregon, 1899)	Portland
Nellie (Woods) Adams, M. S.	Forest Grove
J. C. Clark, B. S., Photographer	Berkeley, Cal.

1888

Estella S. Porter, A. B., obit. 1889	Forest Grove
Fred N. Hallett, B. S., Merchant	Lewiston, Idaho
Frank Hinman, B. S.	Forest Grove
William P. Marsh, B. S. (A. B., U. Vt., 1895), with Mason & Hamlin	Cambridgeport,Mass
John U. Smith, B. S. (LL. B., University Oregon, 1890), Attorney-at-Law	Hilo, Hawaii

1889

Mattie E. (Koontz) Smith, B. S.	Hilo, Hawaii
Sidney E. Marsh, A. B., obit. 1890	Port Townsend,Wn.
Clay McNamee, B. S., Attorney-at-Law	Grangeville, Idaho

1890

William S. Macrum, A. B. (LL. B., Univ. of Oregon, 1897), Bank Teller	Portland
Gustaf Walter Nelson, A. B., Congregational Clergyman	Albany
Mary Ellen Lee, M. S., Teacher	New Whatcom, Wn.
Alexander C. Alexander, Farmer	Forest Grove
Lafayette Lincoln Bush, B. S., Merchant	Bay Center, Wn.

1891

William A. Bates, B. S., Bookkeeper	Corvallis
Margaret Hinman, B. L., Bookkeeper	Forest Grove
John S. Hodgin, B. S., Attorney-at-Law	Enterprise
John A. Lee, A. B., Law Student.	Washington, D. C.
Mary E. (Patton) Snider, A. B.	Cloverdale, Cal.
Asa B. Snider, A. B., Pacific Theological Seminary, Congregational Clergyman	Cloverdale, Cal.

1892

William A. Bond, B. S.	Chehalis, Wn.
Jesse R. Caples, B. S., Merchant	Portland
Ernest E. Merges, B. L., Attorney-at-Law	Portland
Edward L. Naylor, B. L., Real Estate	Forest Grove
Pem Patton, B. S., Farmer	Gaston

1893

E. Austin Bond, A. B., Teacher	Chehalis, Wn.
Nancy B. (Morrison) Thomas, B. L.	Shelburne
Horace D. Stewart, A. B., Business	Dayville
Loring V. Stewart, A. B., LL. B. and M. L. (Yale), Business	Dayville
Dwight H. Thomas, B. S., Farmer	Shelburne
Edith L. (Tongue) Reames, B. L.	Jacksonville

1894

Thomas Hayes Adams, A. M., Merchant	Forest Grove
Austin Craig, Attorney-at-Law	Hillsboro
Fred Ross Smith, A. B., Merchant	Sheridan, Wyo.

1895

Florence McKercher, A. B., obit, 1898	Portland
William S. Shiach, A. B., Attorney-at-Law	Colfax, Wn.

1896

Ruel M. Bisbee, B. S., Farmer	Forest Grove
Ida M. Eells, A. B., Teacher	Tacoma, Wn.
M. Catherine (Lansing) Robertson, A. B.	Forest Grove
John W. Macrum, B. S., Civil Engineer	Astoria
Emma E. (Stewart) Bradley, A. B.	Forest Grove

1897

Philip E. Bauer, B. S., Chicago Theo. Seminary, Congregational Clergyman	Stanton, Mich.
Charles E. Bradley, M. S., Professor Chemistry in T. A. and P. U.	Forest Grove
Harvey H. Hartley, A. M. (M. D., Univ. of Oregon, 1900), Physician	Goldendale, Wn.

1898

Homer C. Atwell, A. B., Postmaster	Forest Grove
Lorena Gleason, B. L., Teacher	Goldendale, Wn.
Joseph E. Kirkwood, A. B., Ph. D. Columbia University, Assistant Professor in Botany, Syracuse University	Syracuse, N. Y.
Frederick L. Marsh, A. B., D. M. D., N. P. Dental College, Dentist	Portland
John Miller, A. B., Missionary, A. B. C. F. M.	Madura, India

1899

Liberta Brown, A. B., Teacher	Snohomish, Wn.
Blanche L. (Garrison) Bauer, B. L.	Stanton, Mich.
George L. Haskell, B. S., Business	Canton, Ohio
Minnie May (Lieser) Fletcher, A. B.	Forest Grove
Lois West (Parker) Myers, A. B.	Portland
Horace M. Ramsey, A. B., Student	Germany
Beulah Warner, A. B., Student	Berkeley
Tacy (Wilkinson) Atkinson, B. L., Missionary, A. B. C. F. M.	Turkey

1900

Vinson Evan Boardman, B. L., Teacher	Mitchell
William Thomas Fletcher, B. S., Instructor T. A. and P. U.	Forest Grove
Lynn Lancefield, B. L., Business	McMinnville
Jessie Lancefield, A. B., Teacher	Amity.
Winifred Marsh, B. L.,	Forest Grove
Ella Sabena Mason, B. L., Teacher	Portland
Alfred Deihl Schoch, B. S., Student	Ithaca, N. Y.
James Wesley Shiach, A. B.	Seattle, Wn.
Thomas H. Tongue, Jr., B. L., Attorney-at-Law	Hillsboro
Jeremiah Walker, B. L., Business	Axford, Wn.

1901

Archibald Anand Atkinson, A. B., Medical Student	San Francisco, Cal.
Lora Fern (Butler) Conn, B. L.	Lakeview
Rose Jane Long, B. L., Teacher	Port Orford
Gertrude Emily Marsh, B. L.	Forest Grove
Alfred Myron North, B. S., Student	Chicago
Fern Frances Stout, A. B., Teacher	McMinnville
Mildred Mary Tibbals, A. B., Student	Wellesley, Mass.
Elda Rema Walker, A. B., Graduate Student	Forest Grove
Leva Belle Walker, A. B., Teacher	Hoquiam, Wn.

1902

Walter A. Dimick, B. S., Law Student	Oregon City
Richard Walter Faulkner, B. S., Business	Portland
Vesta Muzella Lewis, A. B., Teacher	Vancouver, Wn.
Abel Meresse, B. S., Printer	Forest Grove
Harold Burr Millis, B. S., Civil Service	Manila, P. I.
Harriet Eva Scholfield, B. L.	Cornelius
Arthur Elias Yoder, B. S., Teacher	Palmer

1903

Mary Bailey, B. L.	Forest Grove
Fred Day, A. B., Business	Portland
Victor E. Emmel, B. S., Graduate Student	Forest Grove
William G. Hale, B. S., Law Student	Cambridge, Mass.
William G. Hare, B. L., Law Student	Ann Arbor, Mich.
Frederick E. Vrooman, B. S., Business	Portland

INDEX.

Academy 44
Academy Building 13
Academy Students 63
Accredited Schools 21, 45
Admission to Academy, Terms of 44
Admission to College, Terms of 21
Aid for Students 19
Aims 11
Alumni 71
Alumni Association, Officers of 71
Apparatus and Collections 13
Biblical History, Academy 54
Biology 41
Board 19
Buildings 12
Business 53
Calendar, College 3
Certificate, Entrance by 44
Chemistry 40
Christian Associations 17
College Students 61
Committees, Standing 8
Conservatory of Music 55
Corporate Name 20
Courses of Study in Academy 47
Courses of Study in College 24
Courses of Study in Conservatory 58
Degrees 22
Departments and Methods of Instructions 28
Diplomas (see Degrees) 22
Discipline 16
Dormitory, Ladies' (Herrick Hall) 12, 19
Dormitory, Men's 13, 19
Electives 27
English, Academy 50
English, College 34
Examinations 45
Expenses 17, 57
Faculty and Officers 5
Finance Committee 4
French 33, 50

Geology 41
German 33
Greek 32, 50
Gymnasium 13
Herrick Hall 12
Historical Sketch 9
History, Academy 53
History, College 29
Latin 31, 50
Lecture Course 15
Library 14
Literary Societies 15
Location 11
Marsh Memorial Hall 12
Mathematics, Pure and Applied 38, 50
Museum 13
Music 55
Officers of the Board 4
Outline of Courses, Academy 47
Outline of Courses, College 24
Philosophy, Mental and Moral 28
Physical Training 15
Political Science 30
Prizes 20, 70
Public Speaking 37
Reading Room 14
Regulations 16
Religious Exercises 17
Reports (see Regulations) 45
Rooms 19
Scholarships 20
Science, Academy 52
Science Hall 12
Spanish 34
Stenography 53
Students in Academy, List of 63
Students in College, List of 61
Students in Conservatory, List of 67
Students, Special 23, 62, 66
Summary of Students 69
Teachers' Committee 4
Trustees 4
Tuition 18, 57
Weather Bureau 14
Women 17

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